

INDEX TO VOLUME L

SUBJECTS

	PAGE
Absorption of Some Diatomic Gases, Measurements on Near Infra-Red. <i>Elmer S. Imes</i>	251
Absorption Spectrum of Carbon Disulphide Vapor. <i>Irene M. Pauly</i>	155
Air, Dispersion of, and Reduction of Wave-Lengths to Vacuum. <i>Raymond T. Birge</i>	72
Air, Index of Refraction of, for Wave-Lengths from 2218 Å to 9000 Å. <i>W. F. Meggers and C. G. Peters</i>	56
Albedo, Physical Interpretation of, II. Saturn's Rings. <i>Louis Bell</i>	1
Asteroids, Spectral Series and Grouping of. <i>F. E. Kester and Dinsmore Alter</i>	50
Auroral Spectrum. <i>T. W. Backhouse</i>	231
Binary Boss 2285, Orbit of Spectroscopic. <i>Alfred H. Joy and Giorgio Abetti</i>	391
Binary, Eclipsing, RR Vulpeculae and Evidence of Darkening Toward Limb. <i>Mentore Maggini</i>	141
Boss 2285, Orbit of Spectroscopic Binary. <i>Alfred H. Joy and Giorgio Abetti</i>	391
<i>Bulletin Astronomique</i> , Regarding the. <i>B. Baillaud</i>	76
Cape, Radial Velocities of 185 Stars Observed at the. <i>Joseph Lunt</i>	161
Carbon Disulphide Vapor, Absorption Spectrum of. <i>Irene M. Pauly</i>	155
Cepheid Variation, Cause of. Second Paper. <i>C. D. Perrine</i>	81
Color-Changes of Certain Variable Stars of Short Period. <i>F. C. Jordan</i>	174
Colors and Magnitudes in Stellar Clusters, Studies Based on.	
Thirteenth Paper: The Galactic Planes in 41 Globular Clusters. <i>Harlow Shapley and Martha B. Shapley</i>	42
Fourteenth Paper: Further Remarks on the Structure of the Galactic System. <i>Harlow Shapley and Martha B. Shapley</i>	107
Clusters, Studies Based on the Colors and Magnitudes in Stellar.	
Thirteenth Paper: The Galactic Planes in 41 Globular Clusters. <i>Harlow Shapley and Martha B. Shapley</i>	42
Fourteenth Paper: Further Remarks on the Structure of the Galactic System. <i>Harlow Shapley and Martha B. Shapley</i>	107
Clusters, Photographic Effective Wave-Lengths of Nebulae and. Second Paper. <i>Knut Lundmark and Bertil Lindblad</i>	376

	PAGE
Dispersion of Air and the Reduction of Wave-Lengths to Vacuum. <i>Raymond T. Birge</i>	72
Earth, The Rigidity of. <i>A. A. Michelson</i> and <i>Henry G. Gale</i>	330
Earth, Theory of Tides in Pipes on a Rigid. <i>F. R. Moulton</i>	346
Errata	77, 311
Galactic Planes in 41 Globular Clusters. Studies Based on the Colors and Magnitudes in Stellar Clusters. Thirteenth Paper. <i>Harlow Shapley</i> and <i>Martha B. Shapley</i>	42
Galactic System, Further Remarks on the Structure of the. Studies Based on the Colors and Magnitudes in Stellar Clusters. Fourteenth Paper. <i>Harlow Shapley</i> and <i>Martha B. Shapley</i>	107
Gases, Some Diatomic, Measurements on the Near Infra-Red Absorption of. <i>Elmer S. Imes</i>	251
Helium, Recent Work on Series Spectrum of. <i>F. A. Saunders</i>	151
Hydrogen, Recent Work on Series Spectrum of. <i>F. A. Saunders</i>	151
Index	394
Index, Notice of New General, of the <i>Astrophysical Journal</i>	77, 312
Infra-Red Absorption of Some Diatomic Gases, Measurements on the Near. <i>Elmer S. Imes</i>	251
Magnitudes in Stellar Clusters, Studies Based on Colors and. Thirteenth Paper: The Galactic Planes in 41 Globular Clusters. <i>Harlow Shapley</i> and <i>Martha B. Shapley</i>	42
Fourteenth Paper: Further Remarks on the Structure of the Galactic System. <i>Harlow Shapley</i> and <i>Martha B. Shapley</i>	107
Metals, Stark Effect for. <i>T. Takamine</i>	23
Moon, Some Large-Scale Experiments Imitating the Craters of. <i>Herbert E. Ives</i>	245
Nebulae and Clusters, Photographic Effective Wave-Lengths of. Second Paper. <i>Knut Lundmark</i> and <i>Bertil Lindblad</i>	376
Orbit of the Spectroscopic Binary Boss 2285. <i>Alfred H. Joy</i> and <i>Giorgio Abetti</i>	391
Pickering, Edward Charles, 1846-1919. <i>Solon I. Bailey</i>	233
Photographic Effective Wave-Lengths of Nebulae and Clusters, Second Paper. <i>Knut Lundmark</i> and <i>Bertil Lindblad</i>	376
Photographic Plate, Property of, Analogous to the Purkinje Effect. Second Note. <i>J. A. Parkhurst</i>	290
Polarization of the Night Sky. <i>R. J. Strutt</i> (Rayleigh)	227
Polarization of the Night Sky, Note on. <i>Harold D. Babcock</i>	228
Prominences of May 29 and July 15, 1919, Great Eruptive. <i>Edison Pettit</i>	206
Pulsation Theory, Residual Radial Velocities of Cepheid Variables and their Bearing on a. <i>C. D. Perrine</i>	148
Purkinje Effect, A Property of the Photographic Plate Analogous to. Second Note. <i>J. A. Parkhurst</i>	290

INDEX TO SUBJECTS

397

PAGE

Quantum Theory, Radiation-Pressure and. <i>Megh Nad Saha</i>	220
Radial Velocities of 185 Stars Observed at the Cape. <i>Joseph Lunt</i>	161
Radial Velocities, Residual, of Cepheid Variables and Their Bearing on a Pulsation Theory. <i>C. D. Perrine</i>	148
Radiation-Pressure and Quantum Theory. <i>Megh Nad Saha</i>	220
Rayleigh, Lord, 1842-1919. <i>Sir Joseph Larmor</i> and <i>H. F. Newall</i>	313
Refraction of Air, Measurements on Index of, for Wave-Lengths from 2218 Å to 9000 Å. <i>W. F. Meggers</i> and <i>C. G. Peters</i>	56
Reviews:	
Plummer, H. C. <i>An Introductory Treatise on Dynamical Astronomy</i> . (Ernest W. Brown)	78
Riccò, Annibale, Notice of death of	158
Rigidity of the Earth. <i>A. A. Michelson</i> and <i>Henry G. Gale</i>	330
Saturn's Rings. The Physical Interpretation of Albedo, II. <i>Louis Bell</i>	I
Sky, General Illumination of. <i>Charles Fabry</i>	308
Sky, Note on Polarization of Night. <i>Harold D. Babcock</i>	228
Sky, Polarization of Night. <i>R. J. Strutt</i> (Rayleigh)	227
Sky at Night, On the Brightness of the, and the Total Amount of Starlight. <i>P. J. van Rhijn</i>	356
Spectra of Helium and of Hydrogen, Review of Recent Work on the Series. <i>F. A. Saunders</i>	151
Spectra, On Progressive Changes of Wave-Lengths of Lines in Stellar, with Change of Type. <i>Sebastian Albrecht</i>	277
Spectral Series and Grouping of Asteroids. <i>F. E. Kester</i> and <i>Dinsmore Alter</i>	50
Spectroscopic Binary Boss 2285, Orbit of. <i>Alfred H. Joy</i> and <i>Giorgio Abetti</i>	391
Spectrum, Absorption, of Carbon Disulphide Vapor. <i>Irene M. Pauly</i>	155
Spectrum, The Auroral. <i>T. W. Backhouse</i>	231
Stark Effect for Metals. <i>T. Takamine</i>	23
Starlight, On the Brightness of the Sky at Night and the Total Amount of. <i>P. J. van Rhijn</i>	356
Stars Observed at the Cape, Radial Velocities of 185. <i>Joseph Lunt</i>	161
Sun's Gases as Cause of the Apparently Sharp Solar Boundary, Diffusing Action of. <i>C. G. Abbot</i>	295
Tides in Pipes on a Rigid Earth, Theory of. <i>F. R. Moulton</i>	346
Variable Stars of Short Period, Color-Changes of Certain. <i>F. C. Jordan</i>	174
Variables, Cepheid, Residual Radial Velocities of the, and Their Bearing on a Pulsation Theory. <i>C. D. Perrine</i>	148
Variation, On Cause of Cepheid. Second Paper. <i>C. D. Perrine</i>	81

	PAGE
RR Vulpeculae, Eclipsing Binary, and Evidence of Darkening toward Limb. <i>Mentore Maggini</i>	141
Wave-Lengths from 2218 Å to 9000 Å, Measurements on the Index of Refraction of Air for. <i>W. F. Meggers and C. G. Peters</i>	56
Wave-Lengths of Lines in Stellar Spectra with Change of Type, On Progressive Changes of. <i>Sebastian Albrecht</i>	277
Wave-Lengths of Nebulae and Clusters, Photographic Effective. Second Paper. <i>Knut Lundmark and Bertil Lindblad</i>	376
Wave-Lengths to Vacuum, Reduction of, and Dispersion of Air. <i>Raymond T. Birge</i>	72

INDEX TO VOLUME L

AUTHORS

	PAGE
ABBOT, C. G. On the Diffusing Action of the Sun's Gases as the Cause of the Apparently Sharp Solar Boundary	295
ABETTI, GIORGIO, and ALFRED H. JOY. The Orbit of the Spectroscopic Binary Boss 2285	391
ALBRECHT, SEBASTIAN. On Progressive Changes of the Wave-Lengths of Lines in Stellar Spectra with Change of Type	277
ALTER, DINSMORE, and F. E. KESTER. Spectral Series and the Grouping of the Asteroids	50
BABCOCK, HAROLD D. Note on the Polarization of the Night Sky	228
BACKHOUSE, T. W. The Auroral Spectrum	231
BAILEY, SOLON I. Edward Charles Pickering, 1846-1919.	233
BAILLAUD, B. Regarding the <i>Bulletin Astronomique</i>	76
BELL, LOUIS. The Physical Interpretation of Albedo, II. Saturn's Rings	I
BIRGE, RAYMOND T. The Dispersion of Air and the Reduction of Wave-Lengths to Vacuum	72
BROWN, ERNEST W. Review of: <i>An Introductory Treatise on Dynamical Astronomy</i> , H. C. Plummer	78
FABRY, CHARLES. The General Illumination of the Sky	308
GALE, Henry G., and A. A. MICHELSON. The Rigidity of the Earth.	330
IMES, ELMER S. Measurements on the Near Infra-Red Absorption of Some Diatomic Gases	251
IVES, HERBERT E. Some Large-Scale Experiments Imitating the Craters of the Moon	245
JORDAN, F. C. The Color-Changes of Certain Variable Stars of Short Period	174
JOY, ALFRED H., and GIORGIO ABETTI. The Orbit of the Spectroscopic Binary Boss 2285	391
KESTER, F. E., and DINSMORE ALTER. Spectral Series and the Grouping of the Asteroids	50
LARMOR, SIR JOSEPH, and H. F. NEWALL. Lord Rayleigh, 1842-1919.	313
LINDBLAD, BERTIL, and KNUT LUNDMARK. Photographic Effective Wave-Lengths of Nebulae and Clusters, Second Paper	376
LUNDMARK, KNUT, and BERTIL LINDBLAD. Photographic Effective Wave-Lengths of Nebulae and Clusters, Second Paper	376

	PAGE
LUNT, JOSEPH. The Radial Velocities of 185 Stars Observed at the Cape	161
MAGGINI, MENTORE. The Eclipsing Binary RR Vulpeculae and the Evidence of Darkening toward the Limb	141
MEGGERS, W. F., and C. G. PETERS. Measurements on the Index of Refraction of Air for Wave-Lengths from 2218 Å to 9000 Å	56
MICHELSON, A. A., and Henry G. GALE. The Rigidity of the Earth	330
MOULTON, F. R. Theory of Tides in Pipes on a Rigid Earth	346
NEWALL, H. F., and SIR JOSEPH LARMOR. Lord Rayleigh, 1842-1919.	313
PARKHURST, J. A. A Property of the Photographic Plate Analogous to the Purkinje Effect. Second Note	290
PAULY, IRENE M. The Absorption Spectrum of Carbon Disulphide Vapor	155
PERRINE, C. D. On the Cause of Cepheid Variation, Second Paper	81
The Residual Radial Velocities of the Cepheid Variables and Their Bearing on a Pulsation Theory	148
PETTIT, EDISON. The Great Eruptive Prominences of May 29 and July 15, 1919	206
PETERS, C. G., and W. F. MEGGERS. Measurements on the Index of Refraction of Air for Wave-Lengths from 2218 Å to 9000 Å	56
SAHA, MEGH NAD. On Radiation-Pressure and the Quantum Theory	220
SAUNDERS, F. A. Review of Recent Work on the Series Spectra of Helium and of Hydrogen	151
SHAPLEY, HARLOW, and MARTHA B. SHAPLEY. Studies Based on the Colors and Magnitudes in Stellar Clusters.	
Thirteenth Paper: The Galactic Planes in 41 Globular Clusters	42
Fourteenth Paper: Further Remarks on the Structure of the Galactic System	107
STRUTT, R. J. (Rayleigh). Polarization of the Night Sky	227
TAKAMINE, T. The Stark Effect for Metals	23
VAN RHIJN, P. J. On the Brightness of the Sky at Night and the Total Amount of Starlight	356

